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	U S Environmental Protection Agency <hr/> Region VII 901 North 5th Street Kansas City, Kansas 66101	Washington County Lead District Potosi Site <hr/> Access Agreement to Perform Soil Sampling, Interior Dust sampling, and Water Sampling
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The United States Environmental Protection Agency (EPA) is conducting further investigations of the lead contamination at the Washington County Lead District Superfund Sites in order to evaluate the risks posed by historical mining activity in the area. As part of this evaluation, the EPA needs to look at the lead levels found in surface soils, home interior dust, and drinking water at a number of residential properties. Your assistance in this investigation will provide critical information in determining the risks posed by potential lead contamination. Black and Veatch Special Projects Corp. (BVSPC) is under contract with the EPA to assist in the determination of levels of lead and other metals in surface soils, home interior dust, and drinking water within the Washington County Lead District Sites. Your cooperation is requested in giving BVSPC/EPA permission to access your property for the purpose of collecting soil, dust, and water samples in support of this investigation. Contact Bruce Morrison at the EPA, (913) 551-7755, for further information.

AUTHORITY FOR ENVIRONMENTAL RESPONSE ACTIONS

The activities to be implemented by EPA under this agreement are pursuant to Section 104 of CERCLA, 42 U.S.C. 9604. EPA's right of access to the property in Section 104(e) of CERCLA, 42 U.S.C. 9604(e) provides entry for "determining the need for response, or choosing or taking any response action under this title, or otherwise enforcing the provisions of this title."

SAMPLE INFORMATION

(to be completed by sampling crew)

Property Address: 12116 W. 11th Rd. Richmond MO 63071

Wipe Sample #1 ☒ Floor ☐ Window Sill ☐ Window Trough

Room: ☒ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other: ☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

Areas of Sample Collection: Area 1: 246 (inches) Area 2: _____ (inches) Area 3: _____ (inches)

Total Area of Sample Collection: 246 (inches) Time of Collection: 2.09 (hours)

Lead Loading: _____ (pounds) Lab Result: NO

Wipe Sample #2 ☒ Floor ☐ Window Sill ☐ Window Trough

Room: ☒ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other: ☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

Areas of Sample Collection: Area 1: 144 (inches) Area 2: _____ (inches) Area 3: _____ (inches)

Total Area of Sample Collection: 144 (inches) Time of Collection: 2.17 (hours)

Lead Loading: _____ (pounds) Lab Result: NO

Wipe Sample #3 ☒ Floor ☐ Window Sill ☐ Window Trough

Room: ☒ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other: ☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

Areas of Sample Collection: Area 1: 144 (inches) Area 2: _____ (inches) Area 3: _____ (inches)

Total Area of Sample Collection: 144 (inches) Time of Collection: 2.17 (hours)

Lead Loading: _____ (pounds) Lab Result: NO



Vacuum Sample #1

Last Vacuumed: 8-6-08

Room: ☐ Kitchen / Breakfast ☒ Living Room ☐ Play Room ☐ Other
☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

Area of Sample Collection: 1440 (inches²) Total Sample time: 6 mins Time of Collection: 2:30 pm

Type of Floor Sampled: ☒ Carpet Type of Carpet: ☐ Plush ☐ Level Loop
 (Check One) ☐ Rug (Check One) ☒ Shag ☐ Multi-level ☐ Other

-OR-

Hard Surface: ☐ Wood ☐ Tile ☐ Concrete
 (Check One) ☐ Vinyl / Laminate ☐ Brick ☐ Other

Temperature: 77.8 Humidity: 55.7 Flow Rate: 9 Pressure Drop: 5

Vacuum Sample #2

Last Vacuumed: 8-18-08

☒ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other: 2:38 pm
☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

Area of Sample Collection: 1440 (inches²) Total Sample time: 8 mins Time of Collection:

Type of Floor Sampled: ☐ Carpet Type of Carpet: ☐ Plush ☐ Level Loop
 (Check One) ☐ Rug (Check One) ☐ Shag ☐ Multi-level ☐ Other

-OR-

Hard Surface: ☐ Wood ☒ Tile ☐ Concrete
 (Check One) ☐ Vinyl / Laminate ☐ Brick ☐ Other

Temperature: 77.5 Humidity: 56.7 Flow Rate: 11 Pressure Drop: 7

Vacuum Sample #3

Last Vacuumed: 8-6-08

☐ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other: 2:49 pm
☐ Bedroom ☐ Dining Room ☐ Office ☒ Den / Great Room / Family Room

Area of Sample Collection: 1440 (inches²) Total Sample time: 4 mins Time of Collection:

Type of Floor Sampled: ☒ Carpet Type of Carpet: ☐ Plush ☐ Level Loop
 (Check One) ☐ Rug (Check One) ☒ Shag ☐ Multi-level ☐ Other

-OR-

Hard Surface: ☐ Wood ☐ Tile ☐ Concrete
 (Check One) ☐ Vinyl / Laminate ☐ Brick ☐ Other

Temperature: 75.7 Humidity: 61.3 Flow Rate: 8 Pressure Drop: 7

Composite Vacuum Sample Summary

Total Area of Sample Collection: 4320 (inches²)

Tare weight (container before sample): 33.03 (g)

Pan tare weight (pan w/o sieved sample): (g)

Final weight (container and sample): 44.25 (g)

Final weight (pan and sample): (g)

Weight of total sample: 11.22 (g)

Weight of sieved dust sample (fine dust): (g)

Lead Loading: 86.02 (µg/ft²)

Lead concentration: 230 (µg/g) Lab Result: 230 mg/Kg



Vacuum Sample #1

 Last Vacuumed: 8-4-08

 Room: ☒ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other:
☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

 Area of Sample Collection: 2,880 (inches²) Total Sample time: 6 min Time of Collection: 2:35 pm

 Type of Floor Sampled: ☒ Carpet ☐ Rug (Check One) Type of Carpet: ☐ Plush ☐ Shag (Check One) ☐ Level Loop ☐ Multi-level ☐ Other:

-OR-

 Hard Surface: ☐ Wood ☐ Tile ☐ Concrete (Check One) ☒ Vinyl / Laminate ☐ Brick ☐ Other:

 Temperature: 76.3 Humidity: 57.8% Flow Rate: 9.5 Pressure Drop: 7
Vacuum Sample #2

 Last Vacuumed: 8-4-08
☐ Kitchen / Breakfast ☒ Living Room ☐ Play Room ☐ Other:
☐ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

 Area of Sample Collection: 2,880 (inches²) Total Sample time: 6 min Time of Collection: 2:43 pm

 Type of Floor Sampled: ☒ Carpet ☐ Rug (Check One) Type of Carpet: ☐ Plush ☐ Shag (Check One) ☐ Level Loop ☒ Multi-level ☐ Other:

-OR-

 Hard Surface: ☐ Wood ☐ Tile ☐ Concrete (Check One) ☐ Vinyl / Laminate ☐ Brick ☐ Other:

 Temperature: 78.0° Humidity: 58.1% Flow Rate: Pressure Drop:

Vacuum Sample #3

 Last Vacuumed: 8-04-08
☐ Kitchen / Breakfast ☐ Living Room ☐ Play Room ☐ Other:
☒ Bedroom ☐ Dining Room ☐ Office ☐ Den / Great Room / Family Room

 Area of Sample Collection: 1,440 (inches²) Total Sample time: 5 min Time of Collection: 2:51 pm

 Type of Floor Sampled: ☒ Carpet ☐ Rug (Check One) Type of Carpet: ☐ Plush ☐ Shag (Check One) ☐ Level Loop ☒ Multi-level ☐ Other:

-OR-

 Hard Surface: ☐ Wood ☐ Tile ☐ Concrete (Check One) ☐ Vinyl / Laminate ☐ Brick ☐ Other:

 Temperature: 77.9° Humidity: 56.7% Flow Rate: 9.5 Pressure Drop: 6
Composite Vacuum Sample Summary

 Total Area of Sample Collection: 7,200 (inches²)

 Tare weight (container before sample): 32.86 (g)

Pan tare weight (pan w/o sieved sample): (g)

 Final weight (container and sample): 56.54 (g)

Final weight (pan and sample): (g)

 Weight of total sample: 23.68 (g)

Weight of sieved dust sample (fine dust): (g)

 Lead Loading: 9.95 (µg/ft²)

 Lead concentration: 21.0 (µg/g) Lab Result: 21.0 mg/Kg
